

REMARKS

In response to the Office Action mailed November 29, 2004, Applicant proposes to amend his application and requests reconsideration. In this Amendment, it is proposed to cancel claims 16, 17, and 24, leaving claims 18-23 and 25-28 pending upon entry of this Amendment.

The Examiner pointed out some informalities in claims 20 and 26 and those informalities have been corrected in the foregoing Amendment.

Claims 18, 19, 21, 22, 27, and 28 were stated to be allowable if rewritten in independent form. In this Amendment claim 18 is substantially rewritten in independent form and claims 20-23 are made dependent from claim 18. In rewriting claim 18 in independent form, the "whereby" clause of former claim 16 is deleted as unnecessary. Therefore, claims 18-23 should be immediately allowed.

In this Amendment claim 25 is substantially rewritten in independent form. As in rewriting claim 18 in independent form, independent claim 25 lacks the "whereby" clause of former claim 16, as unnecessary. In addition, to address an assertion in the Office Action that claim 25 was not clear, a word has been changed in the penultimate line of that claim. No change in meaning occurs from this amendment, only a clarification.

Claim 26 is maintained without substantive change. However, the informalities pointed out by the Examiner are corrected.

Claim 25 was rejected as anticipated by each of Murasawa et al. (U.S. Patent 5,309,020, hereinafter Murasawa), Papageorge et al. (U.S. Patent 5,438,224, hereinafter Papageorge), and Mori et al. (U.S. Patent 5,834,843, hereinafter Mori). All of these rejections are respectfully traversed.

Claim 25, as indicated in the previous Amendment, encompasses the embodiments of Figures 1, 3, and 4 of the patent application. Basically, that claim states that at least one of the two packaged integrated circuits includes projecting terminals at three sides, particularly the first packaged integrated circuit. Terminals project along the facing side that faces the second packaged integrated circuit as well as along two other sides of the first packaged integrated circuit that are contiguous to the facing side.

Murasawa cannot anticipate claim 25 as examined or as presented here because it does not describe any integrated circuit package including terminals projecting from each of three sides.

Papageorge cannot anticipate claim 25 because it, like Murasawa, does not describe one of two interconnected packaged integrated circuits that includes leads

projecting from three sides, one side facing a second integrated circuit package and the other two sides being adjacent to that facing side.

Claim 25 cannot be anticipated by Mori because Mori does not describe any integrated circuit that has any projecting terminals. It is apparent from the figures of Mori that the entire purpose of the unusual chips depicted there means that those chips must lack projecting terminals. In fact, what appears in the figures is confirmed in the text of Mori in column 4, lines 40-51. Part of that paragraph states that each of the chip units includes, on side edges, terminals that are exposed on those side edges so that the chips can abut each other at respective side edges "in a flush manner with no space between the respective side edges". That arrangement would be impossible if there were projecting terminals at the side surfaces of those chips. Since Mori, like Murasawa and Papageorge, lacks at least one element of claim 25, that publication cannot anticipate claim 25.

Claim 26 is an independent claim and its dependent claims 27 and 28 were stated to be allowable. Therefore, those dependent claims require no discussion. As pointed out in the previous Response, claim 26 encompasses the embodiment of Figure 5 of the patent application. Claim 26 encompasses a device structure including two packaged integrated circuits having rectangular shapes so that each package has a pair of shorter sides and a pair of longer sides. In the arrangement described in claim 26, the shorter sides of each of the first and second packaged integrated circuits face each other. Each of the integrated circuits includes terminals extending outwardly from the longer sides of the package that are connected to each other.

Claim 26 was rejected as anticipated by Papageorge and Mori. These rejections are respectfully traversed.

It is impossible to determine from the disclosure of Papageorge whether it ever describes two integrated circuits arranged on a substrate so that the shorter sides of rectangular packaged integrated circuits face each other as in the structure described in claim 26. Attention was directed to Figure 1 of that patent with regard to the rejection of claim 26 and to the passage at column 4, lines 16-28. As noted, Figure 1 provides no guidance as to whether any structure ever contemplated by Papageorge could anticipate the structure described by claim 26. The passage cited in column 4 of Papageorge is entirely devoid of relationship to any figure of Papageorge and that passage clearly does not describe the rather specific structure of claim 26. Thus, the rejection based upon Papageorge is erroneous.

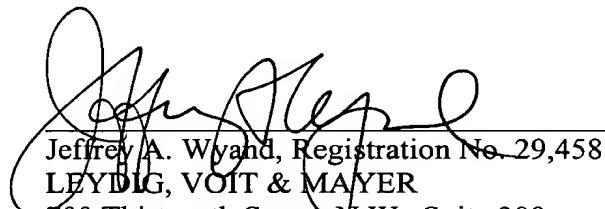
Mori, clearly, cannot anticipate claim 26 because, as already discussed, Mori never describes any packaged integrated circuits with projecting terminal, i.e., terminals

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that extend outwardly from the longer sides of the packages of those integrated circuits.
Accordingly, the rejections of claim 26 must be withdrawn.

The foregoing Amendment places the application in form for allowance by eliminating informalities, presenting claims acknowledged to the allowable, and demonstrating that the claims formerly rejected and still pending are patentable over the prior art applied. According, entry of the Amendment and allowance of the patent application are appropriate and earnestly solicited.

Respectfully submitted,



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Date: February 23, 2005
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